

PTO/SB/08A		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/541,844
		Filing Date	April 3, 2000
		Confirmation Number	4246
		First Named Inventor	Jacob S. Tou et al.
		Group Art Unit	1651
		Examiner Name	J. Weber
Sheet 1 of 3	Attorney Docket No.	PHA 4202.13	

U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY		
		Number	Kind Code ² (if known)				
	1	4,870,107		T. Yoshimoto et al.	09.26.1989		
	2	5,013,662		A. Ben-Bassat et al.	05.07.1991		
	3	5,212,091	A	J. Diaz-Collier et al.	05.18.1993		
	4	5,395,763	A	R. Weinberg et al.	03.07.1995		
	5	5,514,483	A	S. Sujita et al.	05.07.1996		
	6	5,565,330	A	P. Atkinson et al.	10.15.1996		
	7	5,573,923	A	P. Atkinson et al.	11.12.1996		
FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office	Number ⁴	Kind Code ² (if known)			
	8	EP	0204527 /	A1	S. Nakagawa et al.	05.30.1986	
	9	EP	0489711 /	A2	Blumberg et al.	06.10.1992	
	10	WO	8402351 /	A1	T. Christensen et al.	06.21.1984	
	11	WO	8601229 /	A1	S. Blumberg et al.	02.27.1986	
	12	WO	9829433 /	A2	S. Storrs et al.	07.09.1998	
Examiner Signature				Date Considered	27 May 04		

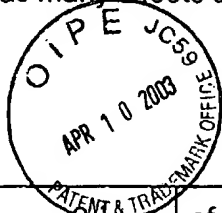
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OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	
JH	13	Bachmair et al., "In Vivo Half-Life of a Protein Is a Function of Its Amino-Terminal Residue," Science 234(47):179-186, 1986.	/
JH	14	Bayliss, M.E. et al., "Modified Activity of Aeromonas Aminopeptidase: Metal Ion Substitutions and Role of Substrates," Biochemistry 25(24):8113-8117, 1986. Cited in International Search Report.	/
JH	15	Ben-Bassat et al., "Processing of the Initiation Methionine from Proteins: Properties of the <i>Escherichia coli</i> Methionine Aminopeptidase and Its Gene Structure," J. Bacteriology 169(2):751-757, 1987.	/
JH	16	Berezovsky et al., "Amino acid composition of protein termini are biased in different manners," Protein Engineering 12(1):23-30, 1999.	/
JH	17	Chicz et al., "High-Performance Liquid Chromatography: Effective Protein Purification by Various Chromatographic Modes," Methods of Enzymology, Volume 182, "Guide to Protein Purification", pp. 392-421, Edited by M. P. Deutscher, Academic Press, Inc., San Diego, CA, 1990.	/
JH	18	Grigoryev et al., "A Mouse Amidase Specific for N-terminal Asparagine; The Gene, the Enzyme, and Their Function in the N-End Rule Pathway," J. Biol. Chem. 271(45):28521-28532, 1996.	/
JH	19	Hermanson et al. "Activation Methods," Immobilized Affinity Ligand Techniques, 1992, pp. 51-56	/
JH	20	Kennedy, R.M., "Hydrophobic Chromatography," Methods of Enzymology, Volume 182, "Guide to Protein Purification", pp. 339-343, Edited by M. P. Deutscher, Academic Press, Inc., San Diego, CA, 1990.	/
JH	21	Kitazono, A., et al., "Isolation and characterization of the prolyl aminopeptidase gene (pap) from <i>Aeromonas sobria</i> : comparison with the <i>Bacillus coagulans</i> enzyme," J. Biochem (Tokyo) 116(4):818-825, Oct 1994	/
JH	22	Prescott, J.M., et al., "Aeromonas Aminopeptidase," Methods in Enzymology 1076, 45-530-543.	/
JH	23	Prescott et al., "One Hundred Fold Increased Activity of <i>Aeromonas</i> Aminopeptidase by Sequential Substitutions with Ni(II) or Cu(II) Followed by Zinc," Biochem. Biophys. Res. Comm. 114(2):646-652, 1983.	/
Examiner Signature	Date Considered		27 May 04

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24	Rossomando, E.F., "Ion-Exchange Chromatography," Methods in Enzymology, Volume 182, "Guide to Protein Purification," pp. 309-317, Edited by M. P. Deutscher, Academic Press, Inc., San Diego, CA, 1990	
25	Stellwagen, E., "Gel Filtration," Methods in Enzymology, Vol. 182, "Guide to Protein Purification," pp. 317-328, Edited by M. P. Deutscher, Academic Press, Inc., San Diego, CA, 1990	
26	Stewart et al., "The Sequence of Porcine Protein NH ₂ -terminal Asparagine Amidohydrolase; A New Component of the N-End Rule Pathway," J. Biol. Chem. 270(1):25-28, 1995.	
27	Varshavsky, A., "The N-End Rule," Cell 69:725-735, 1992.	
28	Varshavsky, A., "The N-end rule: Functions, mysteries, uses," Proc. Nat'l. Acad. Sci. USA 93:12142-12149, 1996.	
29	Weinberg et al., "A chromosomal expression vector for <i>Escherichia coli</i> based on the bacteriophage Mu," Gene 126:25-33, 1993.	
30	Wilkes et al., "Specificity of <i>Aeromonas</i> Aminopeptidase toward Oligopeptides and Polypeptides," Eur. J. Biochem. 34(3):459-66, 1973.	

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PTO/SB/08A		Complete if Known	
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	31	4,055,468		Umezawa et al.	10.25.1977
	32	6,444,802	B1	Kapeller-Libermann et al.	09.03.2002

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